

ETCHED FOIL HEATERS

Features & Benefits

- ▶ Ultra-thin profile
- ▶ High-watt densities
- ▶ Uniform heat distribution
- ▶ Very fast thermal response time
- ▶ Wide variety of options to meet your specific requirements
 - Trace spacing as close as 0.007 in (0.17 mm)
 - Design multiple circuits in same heater
 - Pressure-sensitive adhesive (PSA) backing, epoxies, or pre-attached to your plates and objects attachment options
 - Integrated sensors, fuses, and control devices
 - Turnkey systems with temperature control
 - Available in any shape, cutout, and size (including complex shapes)
 - Kapton, polyimide film, and silicone rubber outer materials to meet your environment and needs

Specifications

Sizes: Up to 22 in x 28 in (560 mm x 710 mm) in any shape or cutout

Power Density: Up to 50 W/in² (7.7 W/cm²)

Minimum Exposure Temperature: -70°F (-57°C)

Nominal Thickness:

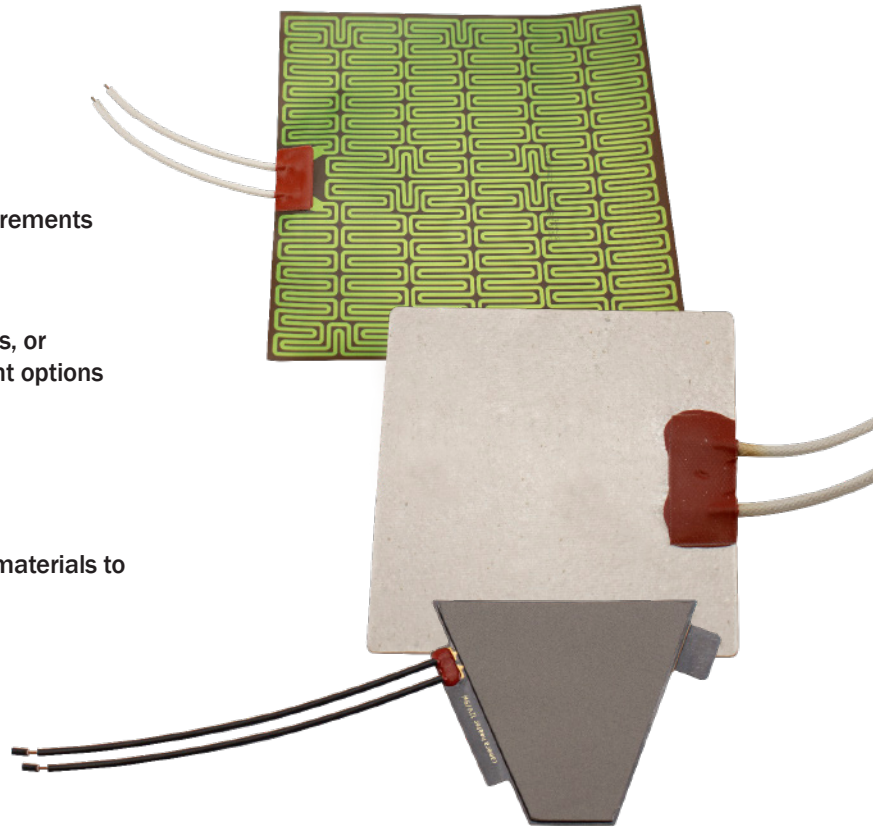
- Polyimide film: 0.006 in (0.15 mm) (6 mil)
- Silicone rubber: 0.03 in (0.76 mm) (30 mil)

Wide range of attachment options

PSA (Pressure-Sensitive Adhesive) backing, epoxies, or pre-attached to your plates and objects

Ideal for

- OEM applications
- Analytical instrumentation
- Medical equipment
- Food processing
- Semiconductor
- Electronics (Indoor and Outdoor)
- Aerospace
- Energy



Configure-to-Order Options

- Built-in controlling options
- Your choice of attachment options

Ordering Information

Please contact BriskHeat® or your local representative for a quotation and personalized application assistance.



Accessories

Outer Material	Maximum Exposure Temperature	Nominal Thickness in (mm)	Advantages	Maximum Size in (mm)
Polyimide Film	500°F (260°C)	0.006 in (0.15 mm) (6 mil)	Thinnest & highest dielectric strength	22 in x 22 in (560 mm x 560 mm)
Silicone Rubber	392°F (200°C)	0.03 in (0.76 mm) (30 mil)	Moisture and chemical resistance	22 in x 28 in (560 mm x 710 mm)

Other outer material options available. Contact BriskHeat for more details.

Part No.	Description
PSAT36A	Standard Fiberglass Tape Suitable for general purpose applications Size: 0.5 in x 108 ft (12 mm x 32.9 m) Silicone Adhesive Temp Limit: 400°F (204°C)
AAT2180	High-Temperature Aluminum Tape Designed for applications above 392°F (200°C) Size: 2 in x 180 ft (51 mm x 55 m) Silicone Adhesive w/ Liner Temp Limit: 550°F (288°C)

IMPORTANT: Temperature controller is required for this product. See options starting on page 145.